

ABSTRACT OF THE DISCLOSURE

A Method and Apparatus of IEEE 1394 Tone Transmission in Beta Mode is disclosed. The invention relates to a method for the transmission of clock signal in IEEE 1394 beta mode, known as “tone.” The system comprising a controller for automatic adjustment of the level of power consumption of the device responsive to whether or not an effective bus connection is being made, a current reference having temperature compensation, a self-calibrating oscillator, a “tone” transmitter, a “tone” receiver, and termination circuitry. While in standby mode, and when no cable is interconnecting the device to another device, the device transmits tones and listens for incoming tones while maintaining low power consumption. When a cable is plugged in, the device awakens automatically and resumes normal IEEE 1394 transmissions.